

ABSTRACT OF THE DISCLOSURE

A method and apparatus for encrypting information. In one embodiment, a method for encrypting information includes obtaining a value A from an array having a plurality of values and determining a value B based on the value A in a first pipeline stage. In a second pipeline stage, a value V may be determined from the value A and the value B . The value V may then be exclusive ORed (XORed) with a data value that forms a portion of the information being encrypted. A first logic unit may include the first pipeline stage, while a second logic unit may include the second pipeline stage. The array may be stored in a plurality of flip-flops in one embodiment, or may be stored in one or more register files in a second embodiment. The method and apparatus may be used for decrypting information as well.